

QUICK REFERENCE DATA

ATV INFORMATION

MODEL: _____ YEAR: _____
 VIN NUMBER: _____
 ENGINE SERIAL NUMBER: _____
 CARBURETOR SERIAL NUMBER OR I.D. MARK: _____

TUNE-UP SPECIFICATIONS

Valve clearance (intake and exhaust)	
All 70 cc and 90 cc engines	0.05 mm (0.002 in.)
All 110 cc and 125 cc engines	0.07mm (0.003 in.)
Compression pressure (at sea level)	
ATC70, ATC90	10-12 kg/cm ² (142-170 psi)
Fourtrax 70	10.5-13.5 kg/cm ² (149-191 psi)
ATC110, ATC125M, TRX125 and Fourtrax 125	11.0-14.0 kg/cm ² (156.5-199 psi)
Spark plug type	
ATC70, Fourtrax 70	NGK CR7HS, ND U22FSR-L
ATC90, Fourtrax 70	NGK D-8HS, ND X24FS
ATC110	
1979-1981	NGK D-8HS
1982-1985	NGK DR8HS
ATC125M, TRX125 and Fourtrax 125	NGK DR8ES-L, ND X24ESR-U or Champion RA6YC
Spark plug gap	0.6-0.7 mm (0.024-0.028 in.)
Contact breaker point gap	0.3-0.4 mm (0.012-0.016 in.)
Ignition timing @ idle	Timing mark "F"
Idle speed	
ATC70	1,500 ± 100 rpm
ATC90	1,300 ± 100 rpm
ATC110, ATC125M, Fourtrax 70, TRX125 and Fourtrax 125	1,700 ± 100 rpm

ENGINE OIL CAPACITY

Model	Liters	U.S. qt.	Imp. qt.
ATC70	0.8	0.9	0.65
Fourtrax 70	0.7	0.74	0.62
ATC80, 1979-1980 ATC110	0.9	1.0	0.79
1981-1985 ATC110	1.1	1.12	0.9
ATC125M, TRX125 and Fourtrax 125	1.0	1.06	0.88

FRAME SUSPENSION TORQUE SPECIFICATIONS

Item	N·m	ft.-lb.
Front wheel (or lug) nuts		
ATC70	60-80	43-57
Fourtrax 70	24-30	17-22
ATC90	NA*	NA
ATC110, ATC125M	50-70	36-51
TRX125 and Fourtrax 125	50-60	36-43
Front hub nut		
Fourtrax 70	55-65	40-47
TRX125 and Fourtrax 125	60-80	36-43
Handlebar upper holder bolts		
ATC70	6-9	4-6
Fourtrax 70	24-30	17-22
ATC90	NA	NA
ATC110, ATC125M	18-30	13-22
TRX125 and Fourtrax 125	24-30	17-22
Handlebar holder nuts		
All models	40-48	29-34
Steering stem nut (3 wheel models)	50-70	36-51
Front fork bridge bolt		
ATC70	40-48	29-34
ATC90	NA	NA
ATC110, ATC125M	50-70	36-51
Rear axle drum nut		
ATC70 and Fourtrax 70	DNA	DNA
ATC90	40-45	29-32
ATC110	40-60	29-34
ATC125M, TRX125 and Fourtrax 125		
Inner	35-45	25-33
Outer	120-140	87-101
Rear bearing holder		
ATC70 and Fourtrax 70 (right-hand side)	20-24	14-17
ATC90	20-24	14-17
ATC110	DNA	DNA
ATC125M, TRX125 and Fourtrax 125	50-70	36-51
Drive sprocket to axle		
ATC70 and Fourtrax 70	DNA	DNA
ATC90	40-48	29-35
ATC110	44-52	32-38
ATC125M, TRX125 and Fourtrax 125	21-27	15-20
Wheel rim bolts and nuts (3 wheel models only)	19-25	14-18
4 WHEEL MODELS ONLY		
Steering shaft		
Holder nuts 70 cc	24-30	17-22
Shaft nut 70 cc	50-60	36-51
Shaft bearing locknut in frame 125 cc	40-60	29-43
Tie rod		
End nuts	35-43	25-31
Locknuts		
70 cc	35-43	25-31
125 cc	25-31	18-22
Kingpin		
Nut 70 cc	30-40	22-29
Bolt and nut 125 cc	50-60	36-43
NA—Honda does not provide specifications for all models. DNA—Does not apply to this model.		

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